## Directions

## Glance 'n Go Sampling for Greenbugs in Winter Wheat

Treatment Threahald

Treatment Threshold = 5 Greenbugs/Tiller

Fall	(ASI J
Edition	OKLAHOMA COOPERATIVE EXTENSION SERVICE

Economic Thresholds for September - December

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  m L}$  To sample the wheat field, use a "zig zag" or "W" pattern and walk at least 15 steps (about 30 ft) between stops.
- → Carefully pull and examine 3 tillers (stems) per stop, taking one tiller from the left, right, and front.
- At each stop, color in the leaf for each tiller that has one or more greenbugs on it, and keep a running total. If the number of infested tillers is less than or equal to the number in the "Don't Treat" column then stop sampling, and do not treat. If the number of infested tillers is equal to or greater than the number in the "Treat" column then stop sampling, and treat the field. If the number falls within the numbers listed in the "Keep Sampling" column, continue sampling until a decision can be made, or the "Stop Sampling" box has been reached.
- → If the "Stop Sampling" box is reached and a decision is not made:
  - Do not spray if most of the greenbugs are mummies.
  - Recheck the field in 2-4 days if no or very few mummies are present.

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Field 1

Date

Fall, Threshold = 5

	Total tillers with 1 or more	Don't   Red		Treat				
Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	t	Sampling t	t
000	000	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	000	15 - /15 -	1 or less	2-13	14 or more
000	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	000	J /30 J	9 or less	10-21	22 or more
000	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	000	± /45 ±	16 or less	17-29	30 or more
$\delta\delta\delta$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	000	J /60 J	24 or less	25-36	37 or more
$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	<u>-</u> /75 -	32 or less	33-44	45 or more
000	000	000	000	000	<u>.</u> /90	40 or less	41-52	53 or more
	000 000 000 000 000 000	\( \lambda \la	\( \lambda \la	\( \lambda \la	\( \lambda \rangle \rangle \lambda \rangle \ra	\( \lambda \)	/15 = 1 or less /30 = 9 or less /30 = 16 or less /45 = 16 or less /60 = 24 or less /75 = 32 or less /90 = 40 or less	\langle   \lan

Field 2

Date

Stop Sampling

Fall, Threshold = 5

Sample t	Stop 1		ry 30 ft. and look at ch tiller that has 1 o		Stop 5	Total tillers with 1 or more greenbugs	Don't Treat	Keep Sampling t	Treat
Tillers 1-15 👵	٥٥٥	٥٥٥	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	<u>-</u> /15 -	1 or less	2-13	14 or more
Tillers 16-30 🚨	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	J /30 J	9 or less	10-21	22 or more
Tillers 31-45 🗓	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond\Diamond\Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	_ /45 _	16 or less	17-29	30 or more
Tillers 46-60 🗓	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	L /60 L	24 or less	25-36	37 or more
Tillers 61-75 👃	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	<u>-</u> /75 -	32 or less	33-44	45 or more
Tillers 76-90 🕹	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\delta\delta\delta$	000	<u>-</u> /90 <u>-</u>	40 or less	41-52	53 or more

Resample in 2-4 days

Field 3

Date

Fall, Threshold = 5

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Sample t		Total tillers with 1 or more	Don't Treat	Keep Sampling	Treat				
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	t	t	t
Tillers 1-15	$\Diamond \Diamond \Diamond$	000	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	_ /15 =	1 or less	2-13	14 or more
Tillers 16-30 →	$\Diamond\Diamond\Diamond$	000	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	/30 -	9 or less	10-21	22 or more
Tillers 31-45 💄	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Delta\Delta\Delta$	_ /45 _	16 or less	17-29	30 or more
Tillers 46-60 д	000	000	000	000	000	_ /60 _	24 or less	25-36	37 or more
Tillers 61-75 🚨	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	000	_ /75 _	32 or less	33-44	45 or more
Tillers 76-90 🗕	$\Diamond \Diamond \Diamond$	٥٥٥	$\Delta\Delta\Delta$	000	$\Delta\Delta\Delta$	<u>-</u> /90 <u>-</u>	40 or less	41-52	53 or more
		Stop Sampling	Resamp	le in 2-4 days			•	•	

Field 4

Date

Fall, Threshold = 5

I ICIG I		Date		an, rincomo	ia s				
Sample		Total tillers with 1 or more	Dont	Keep Sampling	Treat				
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	t	t	t
Tillers 1-15	$\Diamond \Diamond \Diamond$	000	$\Diamond \Diamond \Diamond$	000	000	/15 _	1 or less	2-13	14 or more
Tillers 16-30 →	$\Diamond \Diamond \Diamond$	000	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	000	<u> </u>	9 or less	10-21	22 or more
Tillers 31-45 🚨	$\Diamond \Diamond \Diamond$	000	$\Diamond \Diamond \Diamond$	000	000	<u> </u>	16 or less	17-29	30 or more
Tillers 46-60 🚨	$\Diamond \Diamond \Diamond$	000	$\Diamond \Diamond \Diamond$	000	000	_ /60 <sub>-</sub>	24 or less	25-36	37 or more
Tillers 61-75 🚨	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	000	_ /75 _	32 or less	33-44	45 or more
Tillers 76-90 🗕	000	000	000	000	000	<u>-</u> /90 -	40 or less	41-52	53 or more
_		Stop Sampling	Resamp	le in 2-4 days					

Field 5

Date

Fall, Threshold = 5

Sample t		Total tillers with 1 or more	Don't Ke	Keep Sampling	Treat				
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	t	t	t
Tillers 1-15	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	_ /15 _	1 or less	2-13	14 or more
Tillers 16-30 →	$\Diamond\Diamond\Diamond$	$\Diamond\Diamond\Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	000	J /30 L	9 or less	10-21	22 or more
ل Fillers 31-45	$\Diamond\Diamond\Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	_ /45 _	16 or less	17-29	30 or more
Tillers 46-60 🚨	$\Diamond\Diamond\Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	_ /60 _	24 or less	25-36	37 or more
Tillers 61-75 🚨	$\Diamond\Diamond\Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	_ /75 _	32 or less	33-44	45 or more
Гillers 76-90 д	$\Delta\Delta\Delta$	$\Delta\Delta\Delta$	$\Delta\Delta\Delta$	$\Delta\Delta\Delta$	۵۵۵	<u>-</u> /90 <u>-</u>	40 or less	41-52	53 or more